

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER 8031-014-US U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/586578
INTERNATIONAL APPLICATION NO. PCT/US2005/002017	INTERNATIONAL FILING DATE 20 January 2005	PRIORITY DATE CLAIMED 20 January 2004
TITLE OF INVENTION "Treatment of Degenerative Cartilage Conditions in a Mammal with..."		
APPLICANT(S) FOR DO/EO/US Ichikawa, et al.		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. 3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).		
Items 11 to 20 below concern document(s) or information included:		
11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A preliminary amendment. 14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825. 18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).		

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U.S. APPLICATION NO. (if known, see 37 CFR 1.5) TBD 10/586578		INTERNATIONAL APPLICATION NO. PCT/US2005/002017		ATTORNEY'S DOCKET NUMBER 8031-014-US	
20. Other items or information:					
The following fees have been submitted				CALCULATIONS PTO USE ONLY	
21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a))..... \$300				\$	
				300.00	
22. <input type="checkbox"/> Examination fee (37 CFR 1.492(c))					
If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0				\$	
All other situations..... \$200				200.00	
23. <input type="checkbox"/> Search fee (37 CFR 1.492(b))					
If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0					
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100				\$	
International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB..... \$400				100.00	
All other situations..... \$500					
TOTAL OF 21, 22 and 23 =				\$	
				600.00	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
- 100 =	/50 =		x \$250	\$	
				0	
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).				\$	
				130.00	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
Total claims	41 - 20 =	21	x \$ 50	\$	
				1050.00	
Independent claims	4 - 3 =	1	x \$200	\$	
				200.00	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360	\$	
				0	
TOTAL OF ABOVE CALCULATIONS =				\$	
				1980.00	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.					
SUBTOTAL =				\$	
				990.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				\$	
				0	
TOTAL NATIONAL FEE =				\$	
				990.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$	
TOTAL FEES ENCLOSED =				\$	
				150.00	
				Amount to be refunded:	\$
				Amount to be charged	\$

10/586578

PATENT
8031-014-US


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IAP11 Rec'd PCT/PTO 19 JUL 2006

Certificate of Express Mailing

Under 37 CFR 1.10, I certify that the attached correspondence is being deposited with the United States Postal Service as Express Mail No. EV 669528867 envelope addressed to: **Mail Stop: PCT**, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date indicated below.

Date: July 19, 2006


Christina Dueñas

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)	Examiner: To Be Assigned
)	
ICHIKAWA, Y. et al.)	Group Art Unit: To be Assigned
)	
Serial No.: U.S. National Stage of)	Docket No.: 8031-014-US
PCT/US2005/002017)	
)	Date Mailed: July 19, 2006
Filed: Herewith)	
)	
For: Treatment of Degenerative Cartilage)	
Conditions in a Mammal with Glycosidase)	
Inhibitors)	

TRANSMITTAL LETTER

Mail Stop: PCT
Honorable Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

This submission is to effect entry of PCT Application PCT/US2005/002017 the United States National Stage under 35 U.S.C. § 371 and 37 C.F.R. § 1.495.

Accordingly, the following documents are transmitted:

1. Transmittal Letter for Submission under 35 USC 371 with Fee Sheet indicating a fee payment of \$150.00, reflecting the basic national stage fee of \$150.00 for a small entity under 37 C.F.R. § 1.492(a) (3 pages in duplicate);

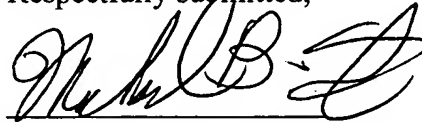
2. An Application Data Sheet under 37 C.F.R. § 1.76 giving biographical information on the inventors of the above-identified application as well as details of the claim for priority based on a previously-filed provisional application (3 pages); and
3. A copy of the above-identified PCT application. Because the above-identified PCT application was filed in the United States Patent and Trademark Office, the copy is not required under 37 C.F.R. § 1.495(b)(i). The copy is provided for convenience (33 pages);
4. A Preliminary Amendment under 37 C.F.R. § 1.121 to amend the specification and claims of the above-identified application for entry into the United States National Stage (9 pages); and
5. A Self Addressed Prepaid Stamped Postcard

Priority under 35 U.S.C. §§ 119 and 365 is hereby claimed for the national stage application. This priority is claimed to: (1) PCT Application No. PCT/US2005/002017 filed on January 20, 2005, and designating the United States; and (2) United States Provisional Patent Application Serial No. 60/531,168 filed on January 20, 2004, from which PCT Application No. PCT/US2005/002017 claimed priority.

Date:

July 19, 2006

Respectfully submitted,



Michael B. Farber, Ph.D., Esq.
Reg. No.: 32,612

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